

19980929.qrp v01_n229.qrs.980929

Date: Tue, 29 Sep 1998 19:03:14 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1229

QRP-L Digest 1229

Topics covered in this issue include:

- 1) [21090] QSL Card Holder Thank You
by KF4EIB@aol.com
- 2) [21091] WTB: 30 METER SST
by w2bj@juno.com (Barry J Minsky)
- 3) [21092] Re: norcal (k8ff) paddle question
by "Steve Hurst" <shurst@magiclink.com>
- 4) [21093] CASCADE KIT FOR SALE
by jmbrown@edge.net (JERRY BROWN)
- 5) [21094] AD9850 mounted on a board?
by "Douglas L Datwyler" <datwyler@aros.net>
- 6) [21095] Thanks for the STAMPS
by Dave Marling <dbm@klis.com>
- 7) [21096] Who is cwsparkes@aol.com?
by Bob Hightower <ki7mn@dancris.com>
- 8) [21097] Re: norcal (k8ff) paddle question
by "Ron Smith" <resmith666@uswest.net>
- 9) [21098] "polyvaricon" source?
by mikemo@ibm.net
- 10) [21099] RE: NiMH Battery Question
by Denton Bramwell W7DB <Denton@Bramwell.Org>
- 11) [21100] Share the ideas.... QSL Card Holders
by KF4EIB@aol.com
- 12) [21101] Re: Mizuho
by Masayuki Uchida <muchida@postman.riken.go.jp>
- 13) [21102] qsl holder
by ac5ez@webtv.net (Larry B)
- 14) [21103] Re: norcal (k8ff) paddle question
by "Steve Hurst" <shurst@magiclink.com>
- 15) [21104] Can you help me bag a fox from my hotel room?
by "David Ek" <ekdave@earthlink.net>
- 16) [21105] off topic, short, modems
by "Jerry W. O'Dell" <jwodell@ameritech.net>
- 17) [21106] Re: Can you help me bag a fox from my hotel room?
by Monte Stark <ku7y@dri.edu>
- 18) [21107] FINALLY WORKS
by Zenith9zn@aol.com
- 19) [21108] Pixie 2

- by kd4pvm@juno.com (Paul W Bridgeman)
- 20) [21109] NorCal's October Meeting Announcement
by Jerry Parker <jparker@fix.net>
- 21) [21110] Re: Fw: ARRL Communications Emergency
by SKIPNC90@aol.com
- 22) [21111] Re: Pixie 2
by Dick G0BPS <Dick@kanga.demon.co.uk>
- 23) [21112] Re: G3RJV 6 Pack
by Dick G0BPS <Dick@kanga.demon.co.uk>
- 24) [21113] RE: QSL Card Holder Question
by "Brian J Keegan" <brimail@home.com>
- 25) [21114] Re: Help - How do you figure the value of an air cap ?
by K4AHK@ix.netcom.com
- 26) [21115] rainbow tuner help
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 27) [21116] NERDS LOGS DUE
by ARDUJENSKI@aol.com
- 28) [21117] S&S Engr. M1 on hold indefinitely
by <FaithD@mail01.dnr.state.wi.us>
- 29) [21118] Re: FINALLY WORKS
by "david r" <elbc@pivot.net>
- 30) [21119] Baggybob, SMT parts and new address
by mike czuhajewski <wa8mcq@erols.com>
- 31) [21120] Am I nuts
by "Jerry W. O'Dell" <jwodell@ameritech.net>
- 32) [21121] FS: TEN TEC SCOUT
by w2bj@juno.com (Barry J Minsky)
- 33) [21122] Re: Am I nuts
by Ab7wy@aol.com
- 34) [21123] Re: Am I nuts
by Jay & Jackie <jayboy@psnw.com>
- 35) [21124] Leg mounted paddle, help please.....
by Wayne Dillon <w.dillon@ic.ac.uk>
- 36) [21125] QRP to the field contest
by Dave Hassell <deh@tadpole.com>
- 37) [21126] Re: Am I nuts
by Michael Neverdosky <MichaelN@cycat.com>
- 38) [21127] CASCADE SOLD
by jmbrown@edge.net (JERRY BROWN)
- 39) [21128] Re: Am I nuts
by Bruce Rattray <rattray@gpfn.sk.ca>
- 40) [21129] SSM RF Power Transistors
by David Shalita <af389@lafn.org>
- 41) [21130] Att: Marv K6HCJ
by SABorns@aol.com
- 42) [21131] Re: Am I nuts
by Monte Stark <ku7y@dri.edu>
- 43) [21132] Re: Am I nuts

by kaliic <kaliic@ime.net>
44) [21133] re: My "add on" 17M antenna / A fan dipole question
by "Patrick T. Franzis" <old_radios@yahoo.com>
45) [21134] Sell Kenwood TS-660 QRP Quad Bander station
by "Caitlyn M. Martin" <cait.martin@ibm.net>
46) [21135] Thanks
by E L D <wd7y@pyramid.net>
47) [21136] TE NE KE
by "Mike Newbold" <newbold@cmn.net>
48) [21137] the the person in OR.
by RangerSF5@aol.com
49) [21138] Hi-mound BK100 sold
by Scott Howell <whowell@hq.nasa.gov>
50) [21139] Phasing fun
by PDouglas12@aol.com
51) [21140] I am nuts
by "Jerry W. O'Dell" <jwodel@ameritech.net>
52) [21141] WIRE 40M LOG PERIODIC
by ARDUJENSKI@aol.com
53) [21142] WTB: MFJ 9406 6M SSB QRP
by "Richard D. Powell" <richard_d._powell@belcan.com>
54) [21143] Re: rainbow tuner help
by Joe Everhart <n2cx@voicenet.com>
55) [21144] RE: Phasing fun
by Sam Billingsley <SBillingsley@usaninc.com>
56) [21145] TREMENDOUS GAMMA-RAY FLARE BLASTS EARTH
by Scott Howell <whowell@hq.nasa.gov>
57) [21146] Norcal 40A for sale
by "Jeff M. Gold" <JGold@tntech.edu>
58) [21147] NC20 10-Turn Pot Group Buy
by "Jerry McCollom W0MC" <w0mc@hotmail.com>
59) [21148] Re: Bobtails and Half Squares/More than 1 band...
by Jim <kj5tf@madisoncounty.net>
60) [21149] Re: rainbow tuner help
by "Doug Hauff" <slmachco@fix.net>
61) [21150] RE: TREMENDOUS GAMMA-RAY FLARE BLASTS EARTH
by Sam Billingsley <SBillingsley@usaninc.com>
62) [21151] Re: TREMENDOUS GAMMA-RAY FLARE BLASTS EARTH
by Ed Tanton <n4xy@att.net>
63) [21152] Trades for TR-3/RV-3/PS-3?
by Ed Loranger <we6w@qsl.net>
64) [21153] Tektronics scopes
by Steven Weber <kd1jv@moose.ncia.net>
65) [21154] RE: TREMENDOUS GAMMA-RAY FLARE BLASTS EARTH
by Paul Harden <pharden@aoc.nrao.edu>
66) [21155] 40 mtr Fox Hunt Teams!
by Bruce Rattray <rattray@gpfn.sk.ca>
67) [21156] ATTN: JUAN ZULOAGA HK4BMG

- by "DONALD G. DORN" <DDORN@swbell.net>
- 68) [21157] QRP-L numbers for the Foxhunt
by "Paul R. Valko" <prvalko@oakland.edu>
- 69) [21158] Nice 2 Meter J-Pole Antenna Drawing (Link)
by Ed Loranger <we6w@qsl.net>
- 70) [21159] Fw: WIRE 40M LOG PERIODIC
by "ALAN KAUL" <alan.kaul@worldnet.att.net>
- 71) [21160] Bubba Pictures and W5C Special event station
by "Tom Whiteside" <n5tw@iggg-tx.net>
- 72) [21161] Re: TREMENDOUS GAMMA-RAY FLARE BLASTS EARTH
by ka1iic <ka1iic@ime.net>
- 73) [21162] Belton (TX) Swapfest QRP Lunch
by Glen Reid <k5fx@flash.net>
- 74) [21163] hand crank radio
by k5ubs@juno.com (Oscar A Hoyt)
- 75) [21164] Re: rainbow tuner help
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 76) [21165] Re: Nice 2 Meter J-Pole Antenna Drawing (Link)
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 77) [21166] Re: Nice 2 Meter J-Pole Antenna Drawing (Link)
by Ed Loranger <we6w@qsl.net>

Date: Mon, 28 Sep 1998 19:01:56 EDT
From: KF4EIB@aol.com
To: qrp-l@Lehigh.EDU
Subject: [21090] QSL Card Holder Thank You
Message-ID: <d5601c9f.36101564@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Many, many thanks to all that responded to my request of QSL Card Holders.
The number of ideas that came my way is astounding! Who says QRPer's think
SMALL, rigs yes, ideas NO.
Thanks again to all that responded.

72,
Gordon

Date: Mon, 28 Sep 1998 19:45:44 -0400

From: w2bj@juno.com (Barry J Minsky)
To: cw@qth.net, forsale-swap@qth.net, qrp@qth.net, qrp-1@Lehigh.EDU
Subject: [21091] WTB: 30 METER SST
Message-ID: <19980928.194545.-254287.11.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am looking for a built and working 30 meter SST. If you have one for sale, please let me know.

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701,

Knightlites, Adventure Radio Society #359,

Six Club #151, Quarter Century Wireless Ass'n #29298, Old Old Timers

Club #3723

Amateur Radio Missionary Service

Date: Mon, 28 Sep 1998 17:54:09 -0600
From: "Steve Hurst" <shurst@magiclink.com>
To: <ccieslak@LAW.UIUC.EDU>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [21092] Re: norcal (k8ff) paddle question
Message-ID: <199809282354.TAA79922@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ahoy thar Chris Matthey,

AARRRRRRRRR ,

I have sailed the seven seas and can tell thee from experiance that thar be no better way to polish up ye ol' brass than with thy "jewlers rouge". This mysterious puddy can be hoisted at thy neighborhood "Sears" store . Look thee in their tool section for both the white and red compounds (the red compound works especially good on me brass hook.... AAAAAARRRRRRRRR !!) . Sears may call it something else , like "buffing compound" , but fear thee not , it be the real jewlers rouge !!!!! Avast ye swabs !!! Come up here on thy poop deck and shine thy brass !!!!!!!

AAAAAAAARRRRRRRRRRRRRR

: -)
: -)

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

" I'm cooler than you are. Why don't you fix your little problem and light
this candle ?"
Alan B. Shepard

> From: Cieslak, Chris <ccieslak@LAW.UIUC.EDU>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: norcal (k8ff) paddle question
> Date: Monday, September 28, 1998 2:53 PM
>
> what's the best way to polish up the brass parts of the norcal paddle
kit?
>
> 72/3, chris aa9hd
>

Date: Mon, 28 Sep 1998 19:03:54 -0500
From: jmbrown@edge.net (JERRY BROWN)
To: qrp-l@Lehigh.EDU
Subject: [21093] CASCADE KIT FOR SALE
Message-ID: <361023EA.3482@edge.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

NOR CAL'S 75 and 20 meter SSB xcvr

Unbuilt, essentially as received from Norcal

\$150, postpaid

72,

Jerry N4E0

Date: Mon, 28 Sep 1998 18:06:22 -0600
From: "Douglas L Datwyler" <datwyler@aros.net>
To: <qrp-1@Lehigh.EDU>
Subject: [21094] AD9850 mounted on a board?
Message-ID: <01bdeb3c\$fdc0fb90\$4318adcf@datwyler>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone remember who might offer the AD9850 already monted on a board?
Are they in the United Staes or in the British Isles? Also, what does this
board look like? Is it an easy interface to hook to? Any other details?

TNX

Doug Datwyler WR70
Sandy, UT DN40b0
datwyler@aros.net

Date: Mon, 28 Sep 1998 21:15:07 -0300
From: Dave Marling <dbm@klis.com>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [21095] Thanks for the STAMPS
Message-ID: <3610268B.6EBBEB04@klis.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all those who wrote me with info on Parallax BASIC STAMPS.
With those and other answers to my questions, I've decided to go the PIC
route instead.

73,
Dave
VE1VQ

--

What, me excited! - don't be ridiculous - I'm Canadian!

Date: Mon, 28 Sep 1998 17:22:53 +0000
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-1@Lehigh.EDU
Subject: [21096] Who is cwsparkes@aol.com?
Message-ID: <199809290016.RAA07613@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone know who cwsparkes@aol.com is? My list keeps getting mail returned from that address, and I don't have anyone on the AZ QRP list by that name/address.

Please reply privately.

Bob Hightower KI7MN <http://www.dancris.com/~ki7mn>

Date: Mon, 28 Sep 1998 18:15:56 -0600
From: "Ron Smith" <resmith666@uswest.net>
To: <shurst@magiclink.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [21097] Re: norcal (k8ff) paddle question
Message-ID: <012d01bdeb3e\$8b15bfc0\$03000004@ron>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Ahoy thar Chris Matthey,

ABSOLUTELY the best reply to a message I have EVER had the pleasure of reading.

Sure brought a tear to these 'ol salty eye for sure.

Thanks Steve...

72

Ron

Date: Mon, 28 Sep 1998 20:26:17 -0400
From: mikemo@ibm.net
To: qrp <qrp-1@Lehigh.EDU>
Subject: [21098] "polyvaricon" source?
Message-ID: <36102929.1C50@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have a question for those who were searching for dual section caps for a ZM-2 tuner. Many mentioned availability of single section types, or a dual section cap but with different values.

I'm in need of a inexpensive source of single section (or a dual asymmetrical) caps for a Boy Scout project I'm working on, a homebrew crystal set. 200pf or more a must. Does anyone have a source?
Thanks and 72, de ku4qo, Mike Maiorana, Palm Harbor, FL

Date: Mon, 28 Sep 1998 18:27:04 +0100
From: Denton Bramwell W7DB <Denton@Bramwell.Org>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [21099] RE: NiMH Battery Question
Message-ID: <5103124387F8D11199DD00A0C925E4B91692@SQLMAILSERVER>
MIME-Version: 1.0
Content-Type: text/plain

One of the failure modes of NiCd batteries (and possibly their cousins) is the growth of needle-like metal "whiskers" that short out the cell. These can be removed by charging up a 'lytic capacitor, and dumping it into the battery. This vaporizes the whisker. The restoration, however, is temporary, since new whiskers will grow in other places.

-----Original Message-----
From: Jack Sterba [mailto:kb9leb@geocities.com]
Sent: Monday, September 28, 1998 3:02 PM
To: Low Power Amateur Radio Discussion
Subject: NiMH Battery Question

I have a NiMH battery for my laptop. It has lost its charge. I heard something about "shocking" a battery to "give it life again". Is this possible for the type of battery that I have and if so, how would I go about doing this??

Jack Sterba, KB9LEB
New Smyrna Beach, FL
<http://www.geocities.com/SiliconValley/Lab/2266/>

Date: Mon, 28 Sep 1998 20:36:30 EDT
From: KF4EIB@aol.com
To: qrp-1@Lehigh.EDU
Subject: [21100] Share the ideas.... QSL Card Holders
Message-ID: <98beee40.36102b8e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

In response to inquiries as to some of the ideas.....

You betcha! These are the two I like the best; cost wise and easy to locate.

1. Stamp Collector Dealer..... First Day issue envelopes holders
2. Photo album type pages (magnetic sheet...or whatever the manufacture calls them).

My first choice is the stamp collector pages. Might be a good idea to take a couple along with you.... Make sure they fit!

Other ideas were... large index card storage box
You get the drift now.

Anyway, off to the stamp dealer!

73/72,
Gordon

Date: Tue, 29 Sep 1998 09:41:52 +0900 (JST)
From: Masayuki Uchida <muchida@postman.riken.go.jp>

To: qrp-1@Lehigh.EDU
Cc: muchida@postman.riken.go.jp
Subject: [21101] Re: Mizuho
Message-ID: <199809290041.JAA02033@postman.riken.go.jp>

Now, Mizuho says in their advertisement, MX-14S (20m SSB/CW 2W) is in stock.

Suggested price is JPY32,000.- (w/o TAX).

73, Masa J02AJT/WH20 ex-JL7CLE muchida@postman.riken.go.jp

> I am looking for a 20 meter Mizuho Qrp rig. Does anyone know where there is
> one (for a reasonable price!)?
> Thanks
>
> Huston K7ITA

Date: Mon, 28 Sep 1998 19:45:40 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [21102] qsl holder
Message-ID: <9104-36102DB4-3132@mailtod-122.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

I have two old cigar boxes, one for dx and one for cw. when they overflow the cards are retired to two metal recipe boxes with flip-top lids. Thats it.

Ac5ez, Larry

Date: Mon, 28 Sep 1998 20:28:30 -0600
From: "Steve Hurst" <shurst@magiclink.com>
To: <resmith666@uswest.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [21103] Re: norcal (k8ff) paddle question
Message-ID: <199809290226.WAA58376@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Ron,

In my very best impersonation of Elvis.....

thank ya very much !!!!!!!

: -)

I've met Elvis too just the other night out in my backyard !!! He was commander of, what looked like , a flying saucer !!! Said something about Area 51 , then wanted directions to some place called "Rosewell" or something like that. My mind is kinda fuzzy after the exam THEY gave me so I'm not quite sure about the particulars..... Oh well, just thought you'd like to know

Keep radiating..... (I am)

73,
Steve Hurst
KA7NOC (southern Idaho)
<http://www.magiclink.com/web/shurst>
shurst@magiclink.com

" I'm cooler than you are. Why don't you fix your little problem and light this candle ?"

Alan B. Shepard

> From: Ron Smith <resmith666@uswest.net>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Re: norcal (k8ff) paddle question
> Date: Monday, September 28, 1998 6:15 PM
>
> >Ahoy thar Chris Matthey,
>
> ABSOLUTELY the best reply to a message I have EVER had the pleasure of reading.
>
> Sure brought a tear to these 'ol salty eye for sure.
>
> Thanks Steve...
>
> 72
>

> Ron
>
>
>

Date: Mon, 28 Sep 1998 20:38:51 -0600
From: "David Ek" <ekdave@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [21104] Can you help me bag a fox from my hotel room?
Message-ID: <000301bdeb52\$4bc836e0\$77ac85ce@davidek>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I found out today that I'll be on a business trip in Alexandria, VA during the inaugural foxhunt of the season. Not wanting to miss out, I was wondering if any of you might suggest an antenna for 40m that I could string up inside my hotel room (no windows that open, so that's my only option). I'd be using my SW+40 with a ZM-2 tuner. I know that this territory has been covered before on this list, but I wasn't paying attention because "it'll never happen to me!"...

Any help would be appreciated. If it's worked for you, I'd like to hear about it.

72 de Dave AB0GO

Date: Mon, 28 Sep 1998 23:58:39 -0400
From: "Jerry W. O'Dell" <jwodell@ameritech.net>
To: qrp-1@Lehigh.EDU
Subject: [21105] off topic, short, modems
Message-ID: <19980929045557.EF020288@[199.179.189.163]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone know of a good net source of getting

plug-and-pray modems to work? I know this
isn't list business, but I could say so much more
at 56k. I have prayed a lot.

Pse email at jwodell@ameritech.net

73 jerry w8gnd

Date: Mon, 28 Sep 1998 21:15:04 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: David Ek <ekdave@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [21106] Re: Can you help me bag a fox from my hotel room?
Message-ID: <Pine.SOL.3.96.980928211031.9678C-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi David,

Well, listen up close.....

A couple of years ago, I was stuck in Elko during the one of
the Fox nights.

I got a room with a balcony on the 2nd floor. I put the SLV
pole up with about 33' of wire wound on it. I put a couple
of radials out that were wound around the balcony.

Hooked up the NorCal 40a and worked the Fox on about the
second call! He was in Texas. I was in NV. About 2 1/2 watts
out.

You could set up in the parking lot! :-) Sneek out on the
roof!

I have always wondered what would happen if you loaded up
the phone line..... :-)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 29 Sep 1998 00:50:54 EDT
From: Zenith9zn@aol.com
To: qrp-l@Lehigh.EDU
Subject: [21107] FINALLY WORKS
Message-ID: <4cdf6ed.3610672e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Just got my Ten Tec 1340 on the air. I am using a small loop antenna that was in 73 magazine last year. It all works. My first QSO was with WA6HHN. My code was pretty messy, hope he doesn't mind, but I made a radio and made a contact, Thats pretty neat feeling. Got wife out of bed for this. Well, I'll be roaming the novice section of 40 meters with 4 watts, look out WAS, I'm on my way...73's John KB4UTV Gilbert, AZ

Date: Tue, 29 Sep 1998 01:33:12 -0400
From: kd4pvm@juno.com (Paul W Bridgeman)
To: qrp-l@Lehigh.EDU
Subject: [21108] Pixie 2
Message-ID: <19980929.013315.4278.0.KD4PVM@juno.com>

Hi all,

I have followed links to many Ham's web pages and have found several schematics for the Pixie 2 transceiver. Is this project still being offered anywhere in kit form? I have most of the parts in my "junk box" except for the crystal and the inductors.(never had any luck winding my own either :-) Any info appreciated.
Thanks,

Paul

BTW-I'm wanting to build the 40m version.

... ..
Paul Bridgeman KD4PVM
Fayetteville, NC

QRP-L # 1641 ZOMBIE # 248

-.. . -.- -..- .--.- ---.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 28 Sep 1998 22:57:17 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-1@Lehigh.EDU
Subject: [21109] NorCal's October Meeting Announcement
Message-ID: <2.2.32.19980929055717.0072d578@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The Upcoming October Meeting
by Doug Hendricks KI6DS

QRPers, the October meeting of the NorCal QRP Club will be held as usual Sunday October 4th at the California Burger Restaurant, located off the Santa Rita Exit of I580 West of Livermore and East of Pleasanton. The California Burger is located in the small shopping center behind the Shell Station across the street from McDonald's Restaurant. If you are coming from Livermore, take the Santa Rita exit, and you will come to a stop light. Turn left and go over the freeway. You will come to a traffic signal. Turn left, and you will notice a McDonald's on your left, and a Shell station on your right. Take the first right turn, (about 107 yards, 2 feet and 7 1/4 inches from the intersection) and you will be in a small shopping center. The California Burger is in the SouthWest corner of the shopping center. Look for all of the cars, you can't miss it.

If you are coming from Pleasanton, take the Santa Rita exit to your right. You will come to a traffic light. Go straight across the street, and you will see the McDonald's and Shell Station. Same directions as above.

Remember, if you have never been to a QRP meeting, this is not like all of the other meetings you go to. It starts about 10:30 and ends about 1:30 or so. No

rules, no minutes, no new business, no old business,
just a get together of QRPers who want to meet and
share QRP information with others of like interests.
Our meeting is entirely social, and those who attend
always seem to enjoy themselves. If you come, bring
along your latest project to share with the rest of
us, we want to see and admire it, probably steal a couple
of your ideas in our next project, but we will have fun!

72,

Doug, KI6DS

Date: Tue, 29 Sep 1998 03:49:50 EDT
From: SKIPNC90@aol.com
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [21110] Re: Fw: ARRL Communications Emergency
Message-ID: <cf3fc587.3610911e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 98-09-28 18:14:45 EDT, you write:

<< SB QST @ ARL \$ARLB079
ARLB079 Communications Emergency

ZCZC AG79
QST de W1AW
ARRL Bulletin 79 ARLB079
From ARRL Headquarters
Newington CT September 27, 1998
To all radio amateurs

SB QST ARL ARLB079
ARLB079 Communications Emergency

UNDER THE AUTHORITY OF SECTION 97.401 OF THE FEDERAL COMMUNICATIONS COMMISSION'S RULES AND REGULATIONS, 47 C.F.R. PART 97, A COMMUNICATIONS EMERGENCY IS DECLARED TO EXIST IN THE MISSISSIPPI, LOUISIANA, AND TEXAS AREAS, REQUIRING THE PROTECTION OF AMATEUR EMERGENCY COMMUNICATION FREQUENCIES. AMATEURS ARE REQUIRED TO REFRAIN FROM USING 7285 AND 7290, DAYTIME, AND 3873 AND 3935, NIGHT TIME, PLUS OR MINUS 3 KHZ UNLESS THEY ARE TAKING PART IN THE HANDLING OF EMERGENCY TRAFFIC. THIS ORDER IS EFFECTIVE 1100AM CENTRAL STANDARD TIME ON SEPTEMBER 27TH, 1998 UNTIL RESCINDED.
NNNN
/EX

>>
73 De Skip NC90

Date: Tue, 29 Sep 1998 09:55:01 +0100
From: Dick G0BPS <Dick@kanga.demon.co.uk>
To: kd4pvm@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [21111] Re: Pixie 2
Message-ID: <0rS0suA1BKE2EwE8@kanga.demon.co.uk>
MIME-Version: 1.0

In message <19980929.013315.4278.0.KD4PVM@juno.com>, Paul W Bridgeman <kd4pvm@juno.com> writes

>Hi all,
> I have followed links to many Ham's
>web pages and have found several schematics for
>the Pixie 2 transceiver. Is this project still
>being offered anywhere in kit form? I have
>most of the parts in my "junk box" except for the
>crystal and the inductors.(never had any luck
>winding my own either :-) Any info appreciated.
>Thanks,

Hi Paul,

The latest version of the Pixie is called the FOXX2 and is a G-QRP club project. More details are on my www pages as under.

This is a tiny transceiver and is available for the 40m band. For ordering details contact Bill kelsey

N8ET at Kanga US who stocks the kit.

Kanga@mail.bright.net

TTFN de ..

--

Dick Pascoe G0BPS

Kanga Products

Seaview House, Crete Road East

Folkestone CT18 7EG U.K.

Tel 44 (0) 1303 891106

<http://www.kanga.demon.co.uk>

Dayton & Freiderichshafen

All at my own cost too

And in my own time!

Date: Tue, 29 Sep 1998 09:50:55 +0100

From: Dick G0BPS <Dick@kanga.demon.co.uk>

To: pierre@cmpe.ubc.ca

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [21112] Re: G3RJV 6 Pack

Message-ID: <JIALEqAv9JE2EwxI@kanga.demon.co.uk>

MIME-Version: 1.0

In message <36100AAF.90396F82@cmpe.ubc.ca>, Pierre Constantineau

<pierre@cmpe.ubc.ca> writes

>What is included in the 6 pack?

>

>How useful is it?

Check my www pages below to find out.

Sprat is now out and full details are in the G-QRP clubs mag!

TTFN de ..

--

Dick Pascoe G0BPS

Kanga Products

Seaview House, Crete Road East

Folkestone CT18 7EG U.K.

Tel 44 (0) 1303 891106

<http://www.kanga.demon.co.uk>

Dayton & Freiderichshafen

All at my own cost too

And in my own time!

Date: Tue, 29 Sep 1998 05:40:15 -0400
From: "Brian J Keegan" <brimail@home.com>
To: <qrp-1@Lehigh.EDU>
Subject: [21113] RE: QSL Card Holder Question
Message-ID: <19980929094226.AAA20089@cc1016490-a.vron1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings Gang,

> Just a question as to source for QSL Card Holders / Collection Pages,
etc.
> Thanks in advance.

> 73,
> Gordon kf4eib
> Proud owner of a TT Omni D

I use photo albums with the larger pockets to accommodate the larger size
of some DX QSLs.

Brian KF2HC

Date: Tue, 29 Sep 1998 06:06:37 -0400
From: K4AHK@ix.netcom.com
To: sonofullr@idcomm.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [21114] Re: Help - How do you figure the value of an air cap ?
Message-ID: <3610B125.13E3@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hammarlund variable capacitors are marked with the model series and
maximum capacitance in pico farads. An MAC-10 is a "Miniature Air
Capacitor" with max capacitance of 10 pF. An APC-25 is an "Air Padding
Capacitor" with max cap of 25 pF. etc, etc. The letters really mean
little except as a way to catalog the different sizes.

I worked for Hammarlund from 1961 until 1968 and have a Hammarlund
capacitor catalog which I can copy pages from if you need more info.

Bill - K4AHK
Burke, VA

Date: Tue, 29 Sep 1998 13:59:06 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: QRP-L <QRP-L@Lehigh.EDU>
Subject: [21115] rainbow tuner help
Message-ID: <3610BD7A.133E@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

One of the checking procedures for the Rainbow tuner is matching a 2000 Ohm resistor.

What tap position should I get the best match on?

My tuner is built into the enclosure made by Doug Hauff and therefore it uses the variable cap that Doug supplied. The maximum capacitance is about 150 pF.

In order to use this range better, 30 turns on the toroid should suffice (5,1 microH), because it resonates with 100 pF at 7 MHz. My taps are a 3, 5, 7 and 9 turns. I computed a transformation range from 560 Ohm to 5000 Ohm ($(30/9)^2 \times 50$ and $(30/3)^2 \times 50$), but in practice I cannot now match the 2000 Ohm resistor well even on the lowest tap position.

What am I doing wrong?

73, oh2zaz

--

Arjen Raateland
Finnish Environment Institute
SAS Support
phone +358 9 4030 0350

Date: Tue, 29 Sep 1998 07:04:09 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU, nwq-l@scn.org
Subject: [21116] NERDS LOGS DUE
Message-ID: <bc978078.3610bea9@aol.com>

Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

It was a tuff day but I know there were more of you out there pounding brass and stringing copper. Need to get your logs in. Even one contact. So far I have logs from the following:

VE3ELA
KK6MC/5
WE6W
WA1QVM
N2CQ

Thanks to all those who participated. It was a lot of fun for me inspite of the poor band conditions. It was the challenge. 98% installation and 2% operation...

Alan KB7MBI

Date: Tue, 29 Sep 1998 06:07:36 -0500
From: <FaithD@mail01.dnr.state.wi.us>
To: <QRP-L@Lehigh.EDU>
Subject: [21117] S&S Engr. M1 on hold indefinitely
Message-ID: <c=US%a=_%p=State-of-Wiscons%l=MAIL04-980929110736Z-93544@mail01.dnr.state.wi.us>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For those of you whom are contemplating whether to send in to be a field tester for the K2 but whom also have an interest in the S&S Engr. M1, I have obtained the following response. When asked, Kathy also indicated that they would be updating their web page shortly and that it was OK to post to the list.

73 (es 72) de N9WR, Don C. Faith III

Dear Mr. Faith,

The M1 has been put on indefinite hold due to other commitments.

Thanks & 73,

Kathy N3SAD
S & S Engineering

Dear Mr. Faith,

I should have read the entire email before transmitting my answer. The Website is being updated to reflect this new info, so pass it along on the QRP-L.

Thanks again,

Kathy N3SAD

Date: Tue, 29 Sep 1998 07:08:22 -0400
From: "david r" <elbc@pivot.net>
To: <Zenith9zn@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [21118] Re: FINALLY WORKS
Message-ID: <003601bdeb99\$7a24d600\$483d62ce@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

it is a very neat feeling thats one of the things that makes qrp so great..
and you'll feel it again when you bag that elusive 50th state happy qrping
73 & 73 dave kc1di

(snip)
Thats pretty neat feeling. Got wife out of bed for this. Well, I'll
>be roaming the novice section of 40 meters with 4 watts, look out WAS, I'm
on
>my way...73's John KB4UTV Gilbert, AZ
>

Date: Tue, 29 Sep 1998 08:14:36 -0400
From: mike czuhajewski <wa8mcq@erols.com>

To: QRP forum <qrp-1@Lehigh.EDU>
Cc: Mike Czuhajewski <wa8mcq@erols.com>, Mike Czuhajewski <mczuhajewski@evi-inc.com>
Subject: [21119] Baggybob, SMT parts and new address
Message-ID: <3610CF2C.2A72@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For those interested in SMT parts, I just saw a posting on USENET under rec.radio.amateur.homebrew from baggybob with both his SMT and leaded parts lists. (If anyone wants a copy I can forward either of them.) It's dated 28 Sept, so it's fresh. Haven't checked yet to see if there are any changes.

Here's his current e-mail if anyone wants to talk to him--

baggybob@execpc.com

Lots of SMT goodies, good prices. I've dropped well over \$100 on him for SMT parts at Dayton in the last 4 years. Usual disclaimers, no connection, etc.

--

73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Tue, 29 Sep 1998 08:29:56 -0400
From: "Jerry W. O'Dell" <jwodel@ameritech.net>
To: qrp-1@Lehigh.EDU
Subject: [21120] Am I nuts
Message-ID: <19980929132713.BU01439@[209.18.27.99]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Is it just me, or is _all_ amateur activity way down since Labor Day?

E.g., postings on this list, on the swap lists, people on the bands, and, believe it or not, the 2 meter band is absolutely dead during drive time.

Perhaps I have 105 volts coming in, or someone cut all my cables.

If I'm right, I sense trouble.

73 jerry w8gnd

Date: Tue, 29 Sep 1998 08:25:01 -0400
From: w2bj@juno.com (Barry J Minsky)
To: cw@qth.net, forsale-swap@qth.net, qrp@qth.net, qrp-l@Lehigh.EDU
Subject: [21121] FS: TEN TEC SCOUT
Message-ID: <19980929.082502.-379779.0.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I still have a TEN TEC Scout with 10, 15, 17, 20, 30, 40 and 80 meter
modules for sale. Included also is the power supply and mic. It is in
excellent condition and has not been used much \$600.00
72/73,

Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701,
Knightlites, Adventure Radio Society #359,
Six Club #151, Quarter Century Wireless Ass'n #29298, Old Old Timers
Club #3723
Amateur Radio Missionary Service

Date: Tue, 29 Sep 1998 08:55:02 EDT
From: Ab7wy@aol.com
To: qrp-l@Lehigh.EDU
Subject: [21122] Re: Am I nuts
Message-ID: <81b51259.3610d8a6@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 98-09-29 08:33:41 EDT, you write:

<<
Is it just me, or is _all_ amateur activity way down since Labor Day?
>>

i thought i was going crazy myself. for some reason, my mail box is nowhere near as full as it used to be...and im subscribed to about 7 reflectors. i dont do 2 meters so i cant comment on that....but i do HF and my log pages are looking a little anemic these days. im seeing these nice numbers but hearing fewer stations on 20 and 15...not much for dx either. and those i do hear dont seem to hear me. it was about a month or two ago that i was running europeans and pacific dx on 20 and 15 with no problems....now i cant even raise Hawaii. thats also considering the monthly fluxuation.

hmm...i hope this changes soon. this is supposed to be the best time for dxing with cycle 23 upon us. i figure this is the time for increased activity, i just hope this null passes and we can get back to the cycle ahead, work a bunch of stations and talk about it again on here.

i just hope im being paranoid.....73, Adam, AB7WY

Date: Tue, 29 Sep 1998 06:08:24 -0700
From: Jay & Jackie <jayboy@psnw.com>
To: qrp-1@Lehigh.EDU
Subject: [21123] Re: Am I nuts
Message-ID: <3.0.1.32.19980929060824.006ab1f0@mail.psnw.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:29 AM 9/29/98 -0400, Jerry W. O'Dell wrote:

>Is it just me, or is _all_ amateur activity way down since Labor Day?

Well, those of us in teaching have had to go back to work coupled with beautiful weather (opposed to the hot humid stuff that drove us to the mountains to operate this summer).....As soon as the rain and fog comes... "I'll be back" as Arnold would say.

Jay, W6JDB Madera, CA

Date: Tue, 29 Sep 1998 14:13:07 +0100
From: Wayne Dillon <w.dillon@ic.ac.uk>
To: cw@qsl.net
Cc: gqrp-1@blacksheep.org, qrp-1@Lehigh.EDU
Subject: [21124] Leg mounted paddle, help please.....
Message-ID: <3.0.32.19980929141306.00957100@mism.ad.ic.ac.uk>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hello all,

Please excuse the bandwidth but I just bet someone out there can help, I saw in QST some time ago a product mentioned called I believe the TEE NEE KEY, a small iambic paddle, enclosed and designed for portable/mobile mounting (on a leg strap). Can anyone tell me who was manufacturing/selling them. The problem is I've gone done and misplaced (lost?) that particular magazine.

Thanks in anticipation,

73! de Wayne - G0JJQ G-QRP-5233
Wayne S. Dillon
Maintenance Co-Ordinator
Room 129 Huxley building
Imperial College of Science, Technology and Medicine.
Exhibition Road
London
SW7 2AZ
Tel: 0171 594 9030
Fax: 0171 594 8930
E-Mail w.dillon@ic.ac.uk

"'Tis better to remain silent and be thought a fool than speak up and have all doubt removed."

Date: Tue, 29 Sep 1998 08:14:43 -0500
From: Dave Hassell <deh@tadpole.com>
To: qrp-1@Lehigh.EDU
Subject: [21125] QRP to the field contest
Message-ID: <3.0.1.32.19980929081443.0073f6f4@mailhost.tadpole.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK, I'll try to submit this one more time

Wow, lots of qrp stations on the air! I had a great time working the contest and will definitely participate again. Many thanks to everyone I worked!

72....Dave, AB5WX

Ft901dm running 5w into various antennas(2 el 20m wire beam, 40/15/10m multiband dipole, and 80m horizontal loop)

QRP AFIELD CONTEST

DATE= 9/19/98

Band	Time	QSO#	Call worked	Rcvd	Qth	PWR
----	----	-----	-----	-----	---	---
14.0	18:12	001	KG5N	599	CO	2W
14.0	18:19	002	N4ROA	559	VA	2W
14.0	18:23	003	N0IBT	559	CO	5W
14.0	18:32	004	W0CQC	559	CO	5W
21.0	18:36	005	N2CQ	559	NJ	5W
14.0	19:05	006	AB0GO	559	CO	2W
14.0	19:06	007	N0TU	559	CO	2W
14.0	19:08	008	AA0B	559	MO	5W
14.0	19:30	009	KI7MN	559	AZ	3W
14.0	19:33	010	NF0R	339	MO	1W
14.0	19:50	012	NQ7X	559	AZ	5W
14.0	19:46	011	N5TW	559	TX	900MW
14.0	19:54	013	N0HJ	599	WY	4W
14.0	20:03	014	KB9NIF	579	WI	5W
14.0	20:07	015	W9QUB	559	IN	5W
21.0	20:22	016	N6MM	559	CA	3W
21.0	20:22	017	KS4HQ	579	NC	5W

7.0	21:10 018	N5TW	599	TX	900MW
14.0	21:20 019	K50I	559	NM	3W
14.0	21:26 020	WA5WHN	569	NM	1W
14.0	21:34 021	KI0AF	559	IA	2W
14.0	21:38 022	W0UFO	559	MN	2W
14.0	23:00 023	N2CQ	559	NJ	5W
14.0	23:13 024	W0AV	559	MO	2W

</fontfamily>

QSO= 24

SPC= 14

HOME OP MULTI = X2

PWR MULTI = X2 (5W)

SCORE = 1344 [(24(QSO) X 14(SPC) X 2(HOMEOP)X 2(5W)]

Date: Tue, 29 Sep 1998 09:23:38 -0400
 From: Michael Neverdosky <MichaelN@cycat.com>
 To: qrp-l mailing list <qrp-l@Lehigh.EDU>
 Subject: [21126] Re: Am I nuts
 Message-ID: <3610DF5A.E146B8F2@cycat.com>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit
 Content-Transfer-Encoding: 7bit

A lot of us spent lots of time and energy preparing for and recovering from preparing for, that Georges fellow. Even though he missed me, I still had 2 days work getting ready and 1 day recovering, not counting the extra time spent watching the storm rather than on the air.

Combined with trying to get ready to make a major move, I have had very little time or energy for Ham radio.

BTW even my shipment of trailer axles, wheels and tires has been delayed by Georges.

Last night I half listened to the local trader net on 2m and checked 40m and 30m, but I couldn't find the brain power to say anything intellegent.

:--))

michael N6CHV (in sunny central FL)

jayboy@psnw.com wrote:

>

> At 08:29 AM 9/29/98 -0400, Jerry W. O'Dell wrote:

> >Is it just me, or is _all_ amateur activity way down since Labor Day?

>

> Well, those of us in teaching have had to go back to work coupled with

> beautiful weather (opposed to the hot humid stuff that drove us to the

> mountains to operate this summer).....As soon as the rain and fog comes...

> "I'll be back" as Arnold would say.

>

> Jay, W6JDB Madera, CA

Date: Tue, 29 Sep 1998 08:39:47 -0500

From: jmbrown@edge.net (JERRY BROWN)

To: qrp-l@Lehigh.EDU

Subject: [21127] CASCADE SOLD

Message-ID: <3610E323.5530@edge.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

CASCADE SOLD

Ref: Last evening's posting.

Tnx for the use of the spectrum QRP-L.

Jerry, N4EO

Date: Tue, 29 Sep 1998 08:06:09 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: "Jerry W. O'Dell" <jwodell@ameritech.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [21128] Re: Am I nuts
Message-ID: <Pine.LNX.3.95.980929075945.7260D-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Jerry!...well I've observed the same thing...I believe it has a lot to do with the time of year....eg - so far I've received NO RESPONSE to my call for Fox Hunt Teams...with everyone going back to school, day classes, evening classes, most vacations are over; it's always a *VERY* busy time of year for things other than ham radio....I think as we get deep into Fall and closer to winter, amateur radio activity all around will pick up...maybe this is another reason why we amateurs seem to do antenna work in bad weather?...HI HI...72 - Bruce(VE5RC+VE5QRP) QRP-L#886
QRP-C#1 ARCI#9382

Date: Tue, 29 Sep 1998 07:02:43 -0700
From: David Shalita <af389@lafn.org>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [21129] SSM RF Power Transistors
Message-ID: <3610E883.4A769B39@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

This is not QRP-L question but I sure could use help from you folks.

I am looking for datasheets and replacement parts for a 440 MHZ RF Linear Amp (1w in//25w out) that contains 3 RF Power Transistors marked:

First stage - SSM 1135E 89T - no threaded stud

2nd Stage - SSM SP1135 3 B122 -has a threaded stud

3rd is Output stage - SSM SD1088 B21T

Thanks for any leads to SSM parts or company that sells replacements.
Found nothing on web.
73, W6MIK

--

David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Tue, 29 Sep 1998 10:14:47 EDT
From: SABorns@aol.com
To: qrp-1@Lehigh.EDU
Subject: [21130] Att: Marv K6HCJ
Message-ID: <b2dc0d95.3610eb57@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Marv,

Marty is trying to get in touch with you. His e-mail address is:
himes@opentext.com.

73, Steve K8IDN

Date: Tue, 29 Sep 1998 07:44:26 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: "Jerry W. O'Dell" <jwodell@ameritech.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [21131] Re: Am I nuts
Message-ID: <Pine.SOL.3.96.980929073932.11317B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Jerry,

Lots of things are happening to cause a drop in the
activity level....

Hunting seasons are starting... :-) I'll be in Idaho

all next week looking for a 24" or bigger buck to mount.
This will be done with low power.... my .44 Mag!

I will also have the NorCal 40a and a G5RV up in the
pint trees. So watch for in the evenings around 7040.

Here at the house, I have had the rigs unplugged from
the wall and antennas for the past week due to lightning!

Been windy, rainy and just not very nice wx.

But just wait until the Fox hunting starts..... the
40m band will come alive!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 29 Sep 1998 11:01:25 -0700
From: ka1iic <ka1iic@ime.net>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [21132] Re: Am I nuts
Message-ID: <36112075.6494@ime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Everyone,

I don't know about being nuts but I'm not on because I'm doing antenna
work (getting ready for winter up here in Maine). Yesterday I was 40
feet up in an ash tree that's going to be the end support for another
Vee beam. No, I'm not nuts... I've got a screw loose!

73
VInce
ka1iic
-.-.-

Monte Stark wrote:

>
> Hi Jerry,
>
> Lots of things are happening to cause a drop in the
> activity level....
>
> Hunting seasons are starting... :-) I'll be in Idaho
> all next week looking for a 24" or bigger buck to mount.
> This will be done with low power.... my .44 Mag!
>
> I will also have the NorCal 40a and a G5RV up in the
> pine trees. So watch for in the evenings around 7040.
>
> Here at the house, I have had the rigs unplugged from
> the wall and antennas for the past week due to lightning!
>
> Been windy, rainy and just not very nice wx.
>
> But just wait until the Fox hunting starts..... the
> 40m band will come alive!
>
> cul,
>
> 73, Ron, SOWP 5545M,
>
>KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>ku7y@sage.dri.edu.....Washoe Lake, Nevada....
>QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 29 Sep 1998 08:22:45 -0700 (PDT)
From: "Patrick T. Franzis" <old_radios@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [21133] re: My "add on" 17M antenna / A fan dipole question
Message-ID: <19980929152245.3617.rocketmail@send102.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On a similar note..

I was planning on adding on a 20 meter dipole to my 40 meter

Inverted V. I intend on having the 20m legs horizontal and leave the 40m legs as is, in the "inverted v" configuration. Has anyone done this with success?

I realize that I could obtain a good match by some pruning, but does this change the radiation pattern of the original 40M antenna?

Thanks, Pat N10CJ

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Tue, 29 Sep 98 11:31:58
From: "Caitlyn M. Martin" <cait.martin@ibm.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [21134] Sell Kenwood TS-660 QRP Quad Bander station
Message-ID: <199809291534.PAA125160@out4.ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi, everyone,

I have a Kenwood TS-660 Quad Bander in excellent shape (a few minor scratches, a few really small discolored spots on the top, right corner), an 8 or 9 out of 10. The rig works perfectly, and comes with a matching SP-120 speaker, the YK-88A AM filter, the BC-1 memory backup module, the matching up/down hand mic., DC cord, and original owner's and service manuals. I paid \$400 for the rig alone quite recently, and added the speaker, filter, and service manual. I'll sell the whole station for \$400 plus shipping and insurance, which is quite a loss for me.

For those of you not familiar with the rig, it covers 6, 10, 12, and 15 meters at 10 watts CW/SSB/FM and 4 watts AM. It has IF shift, RIT, dual VFOs, split capability, an all mode squelch, scanning, and a blue flourescent display. It was a contemporary of the TS-130S and the TS-430S, and is about the size of a TS-130V, just a little smaller than a 430 or 130S.

I'll consider trading for an NCG 7/21/50, and I would take an NCG 15M in

partial trade.

Thanks and 73,
Cait
KU4QD

Caitlyn M. Martin	"They have computers, and may have
cait.martin@ibm.net	other weapons of mass
http://www.angelfire.com/nc/caitmartin	destruction" -Janet Reno

Date: Tue, 29 Sep 1998 08:57:12 -0700
From: E L D <wd7y@pyramid.net>
To: qrp-1@Lehigh.EDU
Subject: [21135] Thanks
Message-ID: <19980929155724.AAA19970@max4-5-200-161.pyramid.net>
Mime-version: 1.0
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to Kevin N2TO, Alan KB7MBI, James Carmody,
Bob KI7MN, and Doc Lindsey K0EVZ
For response to my question about fishing pole.

Date: Tue, 29 Sep 1998 10:07:20 -0600
From: "Mike Newbold" <newbold@cmn.net>
To: <qrp-1@Lehigh.EDU>
Subject: [21136] TE NE KE
Message-ID: <199809291612.KAA21676@cmn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Great little keys, I love mine.

made by KK5PY, Dennis kk5py@juno.com last i knew.

He was featured in cq magazine this year a few issues back. He's not commercial but does it for fun. If read on you will see were he worked all states via bicycle qrp!!!!

good luck
mike k0yo

Date: Tue, 29 Sep 1998 12:08:30 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [21137] the the person in OR.
Message-ID: <dafcfbf.361105fe@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

You had *E* mailed me some time ago and told me that you had shipped the rig VIA UPS.
You never sent me a tracking number and I lost your mail.
After a week I thought you changed your mind so I went for another trade.
Your package arrived late yesterday.
I can't even remember what rig you were sending.
I will pay the shipping and return it to you.
It has not been opened and if your reading this let me know what rig you sent and if you want to sell.it.

UPS is the pits as I lost my 5th package now.in a bit over a year.
Now I insure everything for \$1,000.00 but they still get delayed
Please reply ASAP so I know what to do.

Thank you
Bob
WA2HQQ

Date: Tue, 29 Sep 1998 12:56:57 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-1@Lehigh.EDU
Cc: cw@qth.net
Subject: [21138] Hi-mound BK100 sold
Message-ID: <3.0.5.32.19980929125657.008024b0@mail.hq.nasa.gov>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

the bug is sold.
Still have the handheld scanner for sale.

tnx es 73 de n3byy

Date: Tue, 29 Sep 1998 12:54:51 EDT
From: PDouglas12@aol.com
To: qrp-1@Lehigh.EDU
Subject: [21139] Phasing fun
Message-ID: <d48d57cf.361110db@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I tried telling my commuter friends why I was doing a happy dance, but they looked at me funny. You'll understand.

I am working on a homebrew rig--this is no kit--I had some layout suggestions for small sections from the designer, but mainly all there was was just a set of undocumented schematics. This is my first adventure in flying without a net, so mistakes and dead ends will inevitably occur.

To make a long story short, last night at 10:58 PM, I finished revamping my nonfunctional double balanced mixer after deciding the first attempt was, well... N. G. (No Good) This time, I reconfigured the layout itself to help me keep track of the trifilar wound transformers (Let's see, how many permutations of six leads x2 for two transformers are there? Not quite 12 factorial, but too many to expect success unless the leads are carefully distinguished and connected correctly). And to make sure the cheapie 1N914s weren't the problem, I used four HP hot carrier diodes out of my Dan's Small Parts super sale set of three DBM "kits" (\$3.50 with three sets of four "matched hot carrier diodes", plus wire and cores). Now, making triple sure that all the connections were right, (three different colored magnet wires per transformer core helped a lot) I applied the correct signals, and eureka! 2125 kHz plus 7040 gives mixer products of 4915 (desired) and the 9165 (sum), with no trace at all of the original two inputs. The way these diode rings work is that the input sigs are beat against each other, 180 degrees out of phase, so they cancel out. Wow, it really works. No trace of the mixer outputs can be seen on the input points either. That's what DeMaw describes as one of the benefits of DBMs. He calls it port-to-port isolation. And boy

is it demonstrable on my handy dandy Steve Weber SA/SA MK II spectrum analyzer.

And then, to top the evening off, this mixer output (IF) signal was tweaked right into the exact 4915 center of my just-built crystal filter. With a probe on the output of the filter, as the VFO was tuned, the signal crossed into the passband of the filter. It popped up suddenly like magic on the screen of the SA/SA, all alone. A monolith. I was too mesmerized looking at this single vertical line rising out of the noise to even get up to dance, at first. I just stared at that lone vertical line at 4.195 MHz with the rest of the spectrum clean and empty in all directions. And thus, the happy dance.

Preston Douglas WJ2V

Date: Tue, 29 Sep 1998 13:25:55 -0400
From: "Jerry W. O'Dell" <jwodell@ameritech.net>
To: qrp-1@Lehigh.EDU
Subject: [21140] I am nuts
Message-ID: <19980929182318.ASP13263@[206.141.209.87]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Tally of responses to my query about low activity on the bands.

Frankly, it seemed to be equally divided between people who thought activity was down, and activity was normal.

I shall take that as a vote that I am nuts.

I know a good psychiatrist. Heck, I sort of used to be one.

I do wish more people got on 30 meters in the daytime.

73 jerry w8gnd

Date: Tue, 29 Sep 1998 13:45:17 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@Lehigh.EDU, nwq-1@scn.org
Subject: [21141] WIRE 40M LOG PERIODIC

Message-ID: <27f51fbb.36111cad@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Bob (W7CD) gave me a huge load of older QSTs and CQs. Many sleepless nites paging thru all the oldies but goodies. Anyways back to the story. In the August 1986 QST there is an article entitled CONSTRUCT A WIRE LOG PERIODIC DIPOLE ARRAY FOR 80 OR 40 METERS by John Uhl KV5E.

For 40M it consists basically of 4 dipoles ranging from 36 to 21.5 ft spaced about 6-8 ft apart. The article states an expected gain of 7-9 db over a dipole. I suspect this means something closer to 3-4 db in actual gain.

Any of you tried this yet? As soon as I can remove a few trees so I can aim it east, one will be going up on the *antenna farm*. Heck since I live in a log cabin it goes with out saying *log* periodic might just be the ideal tenna for 40M east coast work. Look out you hounds!

Alan KB7MBI

Date: Tue, 29 Sep 1998 13:48:53 -0500
From: "Richard D. Powell" <richard_d._powell@belcan.com>
To: <qrp-1@Lehigh.EDU>, <forsale-swap@qth.net>
Subject: [21142] WTB: MFJ 9406 6M SSB QRP
Message-ID: <9809299070.AA907091377@ntsmtpgate.belcan.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: "cc:Mail Note Part"
Content-Transfer-Encoding: 7bit

Want to buy, MFJ 6M SSB 9406, or equivalent.
pls contact me at richard_d._powell@belcan.com

thanks.
73
/rick
wb6jbm/8

Date: Tue, 29 Sep 1998 14:03:48 -0400
From: Joe Everhart <n2cx@voicenet.com>
To: Arjen.Raateland@vyh.fi
Cc: qrp-1@Lehigh.EDU
Subject: [21143] Re: rainbow tuner help
Message-ID: <199809291803.0AA31424@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Arjen,

I think I'm qualified to give advice since the Rainbow is my baby!

First off let me say that I have written up some app note type info on both installing the Tuner in the Hauff enclosure and tuning it up. Part of that info is a detailed wiring diagram to assist in the process. This will appear in the near future on the NJQRP web page at <http://www.njqrp.org>

As far as the tuning range is concerned, it is maximized in the Hauff enclosure by doing two things. First, minimize the length of coax cable connected to the tuning capacitor. Since RG-174 has a capacitance of about 2.6 pf per inch, even a couple of inches can limit the high frequency tuning range.

As you may have discovered also, there are trimmer capacitors on the back of the polyvaricon cap that need to be at their minimum setting.

Here is an excerpt from the material that will appear on the
>Measurements on the polyvaricon capacitor included with the KE6RIE Rainbow
>Enclosure show the following:
>
>Section A - min. 5 pf, max. C 67 pf
>Section B - min. C 5 pf, max. C 153 pf
>
> If you look at the back of the capacitor you will see two brass screws.
>These are for trimmer capacitors used for receiver alignment when the cap
>is used in a broadcast receiver. We really want the maximum tuning range
>and the trimmers add an extra 10 pf or so to the above numbers limiting the
>maximum frequency range. so it is necessary to adjust the section B trimmer
>to its minimum value. To do this turn the trimmer screw so that its plates
>are fully unmeshed.
>
> If you use section B and set the trimmers to their minimum value, the
Rainbow Tuner should easily cover 30 and 40 meters without modification.
>
> The measured tuning range on my Rainbow in one of Doug's cases is 4.4 to
>12.9 MHz.

Now back to your symptoms.

Were you able to get the tuner to operate correctly before installation in the Hauff enclosure?

When you say that you cannot get a good match, what is the minimum SWR you can get?

Does the tuning capacitor seem to be at the end of its range?

I am repeating this to the qrp-l gang since others may be interested. i will continue the discussion either publicly or in private whichever you wish!

And I will fire up my Rainbow-in-a box tonight and check which tap give the best results!

At 12:54 PM 9/29/98 EDT, you wrote:

>

>One of the checking procedures for the Rainbow tuner is matching a 2000
>0hm resistor.

>

>What tap position should I get the best match on?

>

>My tuner is built into the enclosure made by Doug Hauff and therefore it
>uses the variable cap that Doug supplied. The maximum capacitance is
>about 150 pF.

>

>In order to use this range better, 30 turns on the toroid should suffice
>(5,1 microH), because it resonates with 100 pF at 7 MHz. My taps are a
>3, 5, 7 and 9 turns. I computed a transformation range from 560 0hm to
>5000 0hm ($(30/9)^2 \times 50$ and $(30/3)^2 \times 50$), but in practice I cannot now
>match the 2000 0hm resistor well even on the lowest tap position.

>

>What am I doing wrong?

>

>73, oh2zaz

>--

>Arjen Raateland

>Finnish Environment Institute

>SAS Support

>phone +358 9 4030 0350

>

>

>

72/73,

Joe E., N2CX

from South Jersey y'all!

Date: Tue, 29 Sep 1998 14:22:03 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: PDouglas12@aol.com, "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [21144] RE: Phasing fun
Message-ID: <21E06269B00ED111BE9B00805F6D0FA33CA346@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

Been there, done that! Different project but same result. How could you possibly explain the "Joy of Homebrewing" to someone who has only put batteries into a Walkman. Another electronic mystery unmasked. Excellent story telling Preston!.

> -----Original Message-----
> From: PDouglas12@aol.com [SMTP:PDouglas12@aol.com]
> Sent: Tuesday, September 29, 1998 12:55 PM
> To: Low Power Amateur Radio Discussion
> Subject: Phasing fun
>
> Gang,
>
> I tried telling my commuter friends why I was doing a happy dance, but
> they
> looked at me funny. You'll understand.
>
>>> snip >>>

Date: Tue, 29 Sep 1998 14:54:25 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-1@Lehigh.EDU
Cc: cw@qth.net
Subject: [21145] TREMENDOUS GAMMA-RAY FLARE BLASTS EARTH
Message-ID: <3.0.5.32.19980929145425.00812e20@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

thought you all might be intrested in this bit of info.

>
>RELEASE: 98-172

>
>TREMENDOUS GAMMA-RAY FLARE BLASTS EARTH

>
> An intense wave of gamma rays, emanating from a catastrophic
>magnetic flare on a mysterious star 20,000 light years away,
>struck the Earth's atmosphere on August 27, 1998, providing
>important clues about some of the most unusual stars in the
>Universe. Scientists said the gamma radiation posed no health
>risk to humans.

>
> The wave hit the night side of the Earth and ionized (or
>knocked electrons out of) the atoms in the upper atmosphere to a
>level usually seen only during daytime. This astonishing blast of
>ionization was detected by Prof. Umrhan Inan of Stanford
>University. "It is extremely rare for an event occurring outside
>the solar system to have any measurable effect on the Earth," Inan
>said. It was so powerful that it blasted sensitive detectors to
>maximum or off-scale on at least seven scientific spacecraft in
>Earth orbit and around the solar system.

>
> The wave of radiation emanated from a newly discovered type
>of star called a magnetar. Magnetars are dense balls of super-
>heavy matter, no larger than a city but weighing more than the
>Sun. They have the greatest magnetic field known in the Universe,
>so intense that it powers a steady glow of X-rays from the star's
>surface, often punctuated by brief, intense gamma-ray flashes, and
>occasionally by cataclysmic flares like the one observed on August
>27. Astronomers think that all these effects are caused by an
>out-of-control magnetic field -- a field capable of heating,
>mixing, and sometimes cracking the star's rigid surface to bits.

>
> In June a team of scientists led by Dr. Chryssa Kouveliotou
>of NASA's Marshall Space Flight Center in Huntsville, AL, used
>NASA's Compton Gamma Ray Observatory to detect a series of about
>50 flashes from the star, a type called a Soft Gamma Repeater
>(SGR), known as "SGR1900+14" in the constellation Aquila. During
>the flashing episode, Kouveliotou's team, in collaboration with
>Dr. Tod Strohmayer and his colleagues at NASA's Goddard Space
>Flight Center, Greenbelt, MD, pointed sensitive X-ray detectors
>aboard NASA's Rossi X-ray Timing Explorer satellite toward the
>star. They found faint X-rays coming from the star, which pulsed
>regularly in intensity every 5.16 seconds.

>
> These 5.16-second pulses already had been detected in April,
>when Dr. Kevin Hurley, University of California, Berkeley, aimed

>the Japanese/NASA Advanced Satellite for Cosmology and
>Astrophysics (ASCA) at the star. Comparisons of the ASCA and RXTE
>data showed that the X-ray pulses were gradually slowing down.

>

> The finding implies that the Soft Gamma Repeater has a
>magnetic field about 800 trillion times stronger than Earth's
>magnetic field, and about 100 times stronger than any found
>anywhere in the Universe. Kouveliotou and her team had earlier
>found that another SGR was also a magnetar. This was exactly what
>Dr. Robert Duncan, University of Texas, Austin, and Dr.
>Christopher Thompson, University of North Carolina, Chapel Hill,
>predicted in 1992 when they originated the "magnetar" theory.

>

> Before the NASA team could announce these conclusions,
>SGR1900+14 emitted the tremendous flare of August 27, which was
>observed by almost every spacecraft with a high-energy radiation
>detector in space.

>

> "Magnetars seem to answer several mysteries about the
>structure and evolution of stars," said Kouveliotou. "We think
>magnetars spend their first 10,000 years as Soft Gamma Repeaters.
>As they weaken with age and slow their rotation, they become
>Anomalous X-ray Pulsars -- stars that do not have enough 'juice'
>to flash anymore, but which emit a steady flow of X-rays for
>perhaps another 30,000 years. After that, they fade to black and
>drift for eternity through the heavens. The absence of observable
>pulsars in some supernova remnants just means that the pulsar's
>lights have gone out sooner than we expected."

>

> A magnetar forms from the explosion, or supernova, of a
>very large, ordinary star. The star's heavy center collapses
>under its own gravity into a dense ball of super-compressed matter
>12 miles across. This "neutron star" consists mostly of neutrons
>in a dense fluid, but the outer layers solidify into a rigid crust
>of atoms about 1 mile deep, with a surface of iron.

>

> Even with this solid crust, a magnetar is incredibly
>unstable. Almost unimaginable magnetic fields, about 800 trillion
>times that of Earth's, cause the crust to crack and ripple in
>powerful starquakes. The energy released in these explosive
>starquakes streams out into space as intense flashes of gamma-
>rays. In the August 27 flare, pure magnetic energy was also
>released, as the star's entire crust was broken to bits.

>

> "A magnet this strong could erase the magnetic strip on the
>credit cards in your wallet or pull the keys out of your pocket
>from a distance halfway to the Moon," said Duncan.

>

> - end -
>EDITOR'S NOTE: Additional information on magnetars or the Aug. 27
>event is available on the internet at:
> <http://www1.msfc.nasa.gov/NEWSROOM/>
> and
> <http://www.magnetars.com/>
>
> * * *
>
>NASA press releases and other information are available automatically
>by sending an Internet electronic mail message to domo@hq.nasa.gov.
>In the body of the message (not the subject line) users should type
>the words "subscribe press-release" (no quotes). The system will
>reply with a confirmation via E-mail of each subscription. A second
>automatic message will include additional information on the service.
>NASA releases also are available via CompuServe using the command
>GO NASA. To unsubscribe from this mailing list, address an E-mail
>message to domo@hq.nasa.gov, leave the subject blank, and type only
>"unsubscribe press-release" (no quotes) in the body of the message.
>
>
>
>

Date: Tue, 29 Sep 1998 14:08:35 -0500
From: "Jeff M. Gold" <JGold@tntech.edu>
To: QRP-L #98 <qrp-l@Lehigh.EDU>
Subject: [21146] Norcal 40A for sale
Message-ID: <00d401bdebdc\$8f0bf560\$4d0b9595@Jeffro.cc.tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdi,

I have a really nice Wilderness Radio Norcal 40A with KC1 keyer/freq
counter, 10 turn pot mod for sale.

Will sell for \$150 including ups ground US ship.

72
Jeff, AC4HF

*I am looking for a real nice (not expensive) station rig that can do great

CW and go down to QRP

Date: Tue, 29 Sep 1998 13:10:58 MDT
From: "Jerry McCollom WOMC" <w0mc@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [21147] NC20 10-Turn Pot Group Buy
Message-ID: <19980929191100.19747.qmail@hotmail.com>
Content-Type: text/plain

Hello again folks,

As I suspected, there's definitely enough interest to go ahead with the group buy! Thanks to everyone who replied!

I've got a mail folder chock full of requests to be counted in. Instead of replying to each of you individually, I'll post a list of those of you who've requested to participate and the number of pots you've requested -- expect this in the next couple of days.

There's plenty of time to change your mind, order an extra POT, correct my mistakes and omissions, or have your friends and neighbors join in.

Meanwhile, I'll check out pricing and availability and come up with a shipped cost. Then, you'll see an official confirmation of orders with directions on where to direct payments, etc.

Look for the initial interest list in a couple of days.

Thanks & 73/72,

Jerry McCollom, WOMC
QRP-L #800

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 29 Sep 1998 14:05:41 -0500
From: Jim <kj5tf@madisoncounty.net>
To: qrp-l@Lehigh.EDU
Subject: [21148] Re: Bobtails and Half Squares/More than 1 band...

Content-Transfer-Encoding: 7bit

>Im thinking of putting up either a half square or bobtail. (This might >be
>of interest to the
>fellow who put up an inverted vee for 17 m in combination with his half
>square on 30 mtrs..
>cant you simply have the following as drawn below:

The diagram illustrates a sequence of 10 vertical bars, each with a horizontal line segment above it. The horizontal segments are labeled 'coax' and are connected by dashed lines. The vertical bars are arranged in two columns of five.

```
>A two band HALF SQUARE??? i WAS thinking of this for my 6 and 2 mtr fm
>operations myself
>but I guess it could be used on HF. I saw a Multiband Bobtail Curtain >using
>the same
>principals--If you are like me and dont want the sky littered with too >many
>wires! then you
>want to try and minimize the single band installations to a reasonable
>degree? Any comments?
>73 Earl VE3AB
```

I couldnt figure out exactly how to hang the 12m vertical pieces from looking at your drawing. Sorry abt that.. The vertical closest to the coax (braid) would have to hang very close to the 20M vertical - maybe

even a gud idea to use some two conductor ribbon cable, or zip cord, and cut lengths for two bands...

Then attach the next vertical (coax center) at the horizontal wire measured for the calculated distance 12M needs to be seperated from its 1st vertical.. sound workable?

I wont even try to make a ascii picture - doubt if I cud draw that. :)

Id think a 2/6M half square would be a winner.. do it! Jim

Date: Tue, 29 Sep 1998 16:31:10 -0700
From: "Doug Hauff" <slmachco@fix.net>
To: <Arjen.Raateland@vyh.fi>
Cc: <qrp-1@Lehigh.EDU>
Subject: [21149] Re: rainbow tuner help
Message-ID: <199809291927.MAA04458@fletch.fix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Arjen, My Rainbow-in-a-box tunes both 30 and 40 meters into the 2K resistor with the #4 (10 turns) toroid tap. On 30 the cap is just below max, on 40 a little lower, I get a green light, <1.5, with both. I am using only the larger section of the variable cap, I have not yet adjusted the trimmers. Maybe you're not holding your mouth right...72 Doug KE6RIE

> From: Arjen Raateland <Arjen.Raateland@vyh.fi>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: rainbow tuner help
> Date: Tuesday, September 29, 1998 3:59 AM
>
> One of the checking procedures for the Rainbow tuner is matching a 2000
> Ohm resistor.
>
> What tap position should I get the best match on?
>
> My tuner is built into the enclosure made by Doug Hauff and therefore it
> uses the variable cap that Doug supplied. The maximum capacitance is
> about 150 pF.
>
> In order to use this range better, 30 turns on the toroid should suffice
> (5,1 microH), because it resonates with 100 pF at 7 MHz. My taps are a
> 3, 5, 7 and 9 turns. I computed a transformation range from 560 Ohm to

> 5000 Ohm ((30/9)^2x50 and (30/3)^2x50), but in practice I cannot now
> match the 2000 Ohm resistor well even on the lowest tap position.
>
> What am I doing wrong?
>
> 73, oh2zaz
> --
> Arjen Raateland
> Finnish Environment Institute
> SAS Support
> phone +358 9 4030 0350
>

Date: Tue, 29 Sep 1998 15:37:24 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrpl_Submit (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [21150] RE: TREMENDOUS GAMMA-RAY FLARE BLASTS EARTH
Message-ID: <21E06269B00ED111BE9B00805F6D0FA33CA380@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

I was wondering if Paul Harden or someone else could shed some light on this topic. One of the highest A-indexes we've seen recently occurred during this period and I thought it was just another normal sun related event. Is it just a coincidence?

>>> snip >>>

> > An intense wave of gamma rays, emanating from a catastrophic
> > magnetic flare on a mysterious star 20,000 light years away,
> > struck the Earth's atmosphere on August 27, 1998, providing
> > important clues about some of the most unusual stars in the
> > Universe. Scientists said the gamma radiation posed no health
> > risk to humans.
>

>>>snip >>>

Sam Billingsley AE4GX Atlanta, GA

Date: Tue, 29 Sep 1998 15:36:54 -0400

power to the meter.

I get excellent reports on my tone, and adjusted the carrier balance so finely that I get down to 1 milliwatt using the RF Drive control.

I added a relay actuated circuit to control a NE-2 relaxation oscillator feeding the audio tube plate for CW sidetone. I imagine it might operate in SSB and might need to be removed, but that would only take a few minutes.

I'm looking for a multiband rig of comparable quality with minimally:80/40/20/15/10 meter bands, but would love to get on 160 or WARC as well. I only need a maximum of 5 Watts output power and am strictly CW so don't need anything for SSB. CW filter important. Variable or fixed.

Although I am very fond of the 600 KHz coverage the TR-3 has, I am willing to suffer a rig having less bandwidth. It is important that I get full E/A/G/T+/N coverage for CW however. It would be excellent to get 6 Meter CW coverage.

Portability is of minor importance as this is my Home stn. rig.

The RV-3, TR-3, and powersupply work well.

If this sounds laughable or impossible; so be it. Just thought I'd put it out there, maybe someone wants to swap. The TR-3 sure has a lot of features to match! Definately a leader of it's time.

Photocopy manuals are intact.

Interested parties please reply to both: we6w@juno.com and we6w@qsl.net

-Ed Loranger WE6W

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Tue, 29 Sep 1998 15:20:42
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [21153] Tektronics scopes

Message-ID: <3.0.3.16.19980929152042.2befbbf8@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A while back I picked up a Tektronics 453A scope as a spare, seeing the price was right at \$25.00. Figured I could use it for parts for my 453, which tends to loose sweep trigger when it gets hot.

As it turns out, the 453A works good except for the delayed trigger, and how often do we need that anyway? Only other minor problem is the fan doesn't work. Today, I decided to take a look at the fan. A bit of a project to get to, you have to remove the back panel. Turns out the fan is history, strangest looking motor inside I've ever seen and not repairable. Guess I'll have to bolt a muffen fan to the back if I want cooling.

The main point of this post is that when I removed the back panel, I found a small spool of the special solder used on the ceramic terminal blocks! I bet most all Tek scopes have a spool of this solder tucked away someplace. If you ever need to do repairs to your scope, give a look for it!

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 29 Sep 1998 14:09:49 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Sam Billingsley <SBillingsley@usaninc.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [21154] RE: TREMENDOUS GAMMA-RAY FLARE BLASTS EARTH
Message-ID: <Pine.SOL.3.91.980929135637.20864A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 29 Sep 1998, Sam Billingsley wrote:

> I was wondering if Paul Harden or someone else could shed some light on this
> topic. One of the highest A-indexes we've seen recently occurred during this
> period and I thought it was just another normal sun related event. Is it
> just a coincidence?
>
> Sam Billingsley AE4GX Atlanta, GA

Sam and others,
Last night, I was working on my handouts for PacifiCon ... plotting

the solar flux, solar wind, A-Index, etc. of the past few good storms we've had, showing the correlation from the solar event to the geomagnetic event 2-3 days later.

Your observation is much like mine, in that the A-index hit 112 on August 27th ... a SEVERE geomagnetic storm. While there was a M9 flare on the 22nd, an M2 on the 23rd and an energetic X class on the 25th, the timing to this geomagnetic storm is a bit awkward, making me wonder the same. Particularly with the reports of the ionization that occurred on the dark side of the earth, and wondering if this might be sufficient to compress our magnetic field and trigger a storm.

These gamma-ray bursts were discovered in part by our own Dr. Dale Frail. His office is up on the top floor (us electronics types are in the cellar), but I will pay him a visit this afternoon and see what he has to say. He's very approachable, and our solar astronomer, Dr. Tim Bastian, might find the correlation interesting as well.

The M1 flare on Sept. 20th triggered a text book geomagnetic storm on the 23rd (A-index 129) and a coronal hole on the 24th accompanied with an energetic proton even triggered another severe storm on the 25th (A-index 121) ... text book reaction times. Those two events last week were SEVERE storm periods, causing HF blackouts.

I'll report what I find out about the gamma ray burst on August 27th and if the fellas upstairs feel their might be a correlation. Remember, detecting these huge gamma ray bursts is a VERY recent thing, like this year ... so perhaps us amateurs are the first to notice a connection. I'll also get a list from Dr. Frail of the gamma ray bursts detected over the past six months to see if other events also coincided with geomagnetic storms. Hey fellas, this is real science here!

Thanks for your interest, even though you blew my big revelation I was gonna suggest at PacifiCon -hi.

72, Paul NA5N
National Radio Astronomy Observatory

Date: Tue, 29 Sep 1998 14:12:44 -0600 (CST)
From: Bruce Ratray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@Lehigh.EDU>
Subject: [21155] 40 mtr Fox Hunt Teams!
Message-ID: <Pine.LNX.3.95.980929135938.1690G-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

YOWZA, YOWZA, YOWZAAAA!!!....I am *very* pleased to announce that we WILL have a 40 mtr Fox Hunt Team competition this season!!...thanks to Doc (K0EVZ), Tim (W5FN) and Dave (W0CH) for re-forming the deadly FOX NABBERS in order to pulverize this season's foxii....the organizing of a Canadian Team continues quietly in the Great White North...there just might be enough operators to field two Canadian Teams...let's hear from the rest of you out there...3 on a Team is a nice number...we now have 2 teams...Joe, AB7TT, I wonder if you might have last year's results and could post them for all to see?...maybe your posting will inspire some more of last year's Teams to surface again as well as NEW Teams being born...let me know please BEFORE October 7th...the guidelines will be out soon, before Oct.7th...72 - Bruce(VE5RC+VE5QRP)
QRP-L#886 QRP-C#1

Date: Tue, 29 Sep 1998 15:22:15 -0700
From: "DONALD G. DORN" <DDORN@swbell.net>
To: QRP-L@Lehigh.EDU
Subject: [21156] ATTN: JUAN ZULOAGA HK4BMG
Message-ID: <36115D97.9B6@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry for the bandwidth folks. I lost this fellows addr and try to help our Cuban and SA QRPers when I can.

Juan, I air mailed the xtal to you on Aug 26. Today it was returned to me marked "Direction Deficiency", at least I think that's what it says it is very difficult to read.

The addr I sent it to was CARRERA 43C #9 APT 1002
MEDELLIN, COLUMBIA SA

If you want me to remail it I will. Let me know what to do.

Don K5AAR
Checotah, OK

Date: Tue, 29 Sep 1998 16:42:24 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [21157] QRP-L numbers for the Foxhunt
Message-ID: <Pine.OSF.3.95.980929163943.29363A-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

A friendly reminder from someone who loves you...

> I've been noticing qrp-l numbers and wondered how to get one. I accidentally
> trashed my welcome message when I joined the list and probably had the info
> there.

You (and everyone else who has trashed their welcome message :-) can
get a copy by sending the following command, in the body of an e-mail,
to listserv@Lehigh.EDU:

GET QRP-L WELCOME.TXT

To get a QRP-L number, send the following command, in the body of an e-mail,
to listserv@Lehigh.EDU:

RUN QRP-L X GETNR callsign

for example:

RUN QRP-L X GETNR W8KC

73! =paul= W8KC
Collector of Ten★Tecs and other fine plastics

<<http://www.acs.oakland.edu/~prvalko>>

Date: Tue, 29 Sep 1998 20:48:58 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [21158] Nice 2 Meter J-Pole Antenna Drawing (Link)
Message-ID: <361147BA.5DF3@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang, I've seen a lot of antenna drawings on the J-pole, but this one appears to be the most informative and complete.

It is for 2Meter and 440 band:

<http://www.qsl.net/kk7ih/J-pole.html>

You should see this guys' shack :)
<http://www.qsl.net/kk7ih/>

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Tue, 29 Sep 1998 14:30:47 -0700
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [21159] Fw: WIRE 40M LOG PERIODIC
Message-ID: <19980929213025.CKWL2580@default>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> From: ARDUJENSKI@aol.com

> For 40M it consists basically of 4 dipoles ranging from 36 to 21.5 ft spaced
> about 6-8 ft apart.

I suspect the "half-lengths" of the elements are the measurements listed, because a 40M log periodic ought to be roughly twice that long.

Alan Kaul, W6RCL, LaCanada, CA e-mail: w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html> or
<http://home.att.net/~alan.kaul/qrp.html>

Date: Tue, 29 Sep 1998 16:33:08 -0500
From: "Tom Whiteside" <n5tw@igg-tx.net>
To: <qrp-1@Lehigh.EDU>
Cc: <wcarc@chatham.org>
Subject: [21160] Bubba Pictures and W5C Special event station
Message-ID: <001801bdebf0\$d02e1000\$7121f0cd@n5tw>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

First the old news: The Bubba Sprint...

We finally got the N5TW Bubba sprint pictures up on a web site. They can be viewed from:

<http://www.chatham.org/wcarc>

We did this mainly to have fun and raise local interest in QRP so did this as a "multi-multi" category with a separate station on 40m, 20m and 15m. (We sent a note to Joe leaving it to him to figure out if he wanted to count a "multi-multi" deal = we were just having fun...) With all the hoopla at the time about measly "Texas watts", we did a 900mw operation. The 40m setup was a 2 ele beam at 100feet and I "unstacked" the tribanders to support the 15 and 20m operations. (Guess you can figure where I stand on the antenna discussions - hi) To beat the heat, the operation was done around/in a pool as the pictures document - we had alot of fun and really appreciate the sponsors doing this one...

Ok - now the new news: The Williamson County Amateur radio Club (WCARC) is hosting a special event station "W5C" from October 1 through October 7th to celebrate our county's 150th birthday... While much of the operation will be QRO, we will do our best to operate around the QRP frequencies during this event. One of the goals is to get some of our less experienced Novice/tech operators on so look around the 7.110, 21.110 and 28.110 frequencies. Other operation will probably be around 7.040 and 14.060. I say around because we will try to keep the QRP calling frequencies clear.. There will be a nice certificate that can be obtained sy sending a SASE to KC5RPF. Good hunting!

Tom Whiteside N5TW

Georgetown, TX QRP-L 1474

Date: Tue, 29 Sep 1998 17:42:40 -0700
From: ka1iic <ka1iic@ime.net>
To: pharden@aoc.nrao.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [21161] Re: TREMENDOUS GAMMA-RAY FLARE BLASTS EARTH
Message-ID: <36117E7F.57EC@ime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Guys,

I asked a friend of mine that works on project Phonix and he seemed to have no info on it but I'm sure some one will know.

73
Vince
ka1iic

Paul Harden wrote:

>
> On Tue, 29 Sep 1998, Sam Billingsley wrote:
> > I was wondering if Paul Harden or someone else could shed some light on this
> > topic. One of the highest A-indexes we've seen recently occurred during this
> > period and I thought it was just another normal sun related event. Is it
> > just a coincidence?
> >
> > Sam Billingsley AE4GX Atlanta, GA
>
> Sam and others,
> Last night, I was working on my handouts for PacifiCon ... plotting
> the solar flux, solar wind, A-Index, etc. of the past few good storms
> we've had, showing the correlation from the solar event to the geo-
> magnetic event 2-3 days later.
>
> Your observation is much like mine, in that the A-index hit 112 on
> August 27th ... a SEVERE geomagnetic storm. While there was a M9
> flare on the 22nd, an M2 on the 23rd and an energetic X class on the
> 25th, the timing to this geomagnetic storm is a bit awkward, making

> me wonder the same. Particularly with the reports of the ionization
> that occurred on the dark side of the earth, and wondering if this might
> be sufficient to compress our magnetic field and trigger a storm.
>
> These gamma-ray bursts were discovered in part by our own Dr. Dale
> Frail. His office is up on the top floor (us electronics types are in
> the cellar), but I will pay him a visit this afternoon and see what
> he has to say. He's very approachable, and our solar astronomer, Dr.
> Tim Bastian, might find the correlation interesting as well.
>
> The M1 flare on Sept. 20th triggered a text book geomagnetic storm on
> the 23rd (A-index 129) and a coronal hole on the 24th accompanied with
> an energetic proton even triggered another severe storm on the 25th
> (A-index 121) ... text book reaction times. Those two events last
> week were SEVERE storm periods, causing HF blackouts.
>
> I'll report what I find out about the gamma ray burst on August 27th
> and if the fellas upstairs feel their might be a correlation. Remember,
> detecting these huge gamma ray bursts is a VERY recent thing, like this
> year ... so perhaps us amateurs are the first to notice a connection.
> I'll also get a list from Dr. Frail of the gamma ray bursts detected
> over the past six months to see if other events also coincided with
> geomagnetic storms. Hey fellas, this is real science here!
>
> Thanks for your interest, even though you blew my big revelation I
> was gonna suggest at PacifiCon -hi.
>
> 72, Paul NA5N
> National Radio Astronomy Observatory

Date: Tue, 29 Sep 1998 17:16:19 -0500
From: Glen Reid <k5fx@flash.net>
To: QRP-l <qrp-l@Lehigh.EDU>
Subject: [21162] Belton (TX) Swapfest QRP Lunch
Message-ID: <36115C33.EC29A077@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

The Austin QRP Club (A QRP Club) invites all QRPers (especially
NORTEX and HQRPs members) planning to be at the:

The Belton, TX Swapfest

Saturday, October 3
Bell County Convention Center

to join us at the:

THE SEMI ANNUAL AFTER BELTON, QRP, LIE SWAPIN GET TOGETHER AND BARBECUE
EATIN CONTEST

WHERE:

Schoepf s Old Time Pit BBQ at 702 East Central Ave. in Belton.
In Bell County, Schoepf s is about the best around. One of those get
it from the pit on butcher paper places with lots of tables outside.

DIRECTIONS:

>From IH35, north or south bound, take the Central Ave. exit; west on
Central Ave., about three or four blocks to Schoef s BBQ, on the right.

WHEN:

About 1 PM, most of the good trading is done by then anyway.

Bring your newly acquired goodies or that stuff you couldn't sell and
join us for more QRP stuff.

We wanted to treat everyone, BUT sadly, when we checked the
treasury we found 32 cents, a Capital Metro bus token and a 2N2222.
So, you better bring money for your own lunch! We may, however, be able
to find one of our super, high tech, whiz bang A QRP Club door prizes
for this event.

As with all activities NOT sponsored by A QRP Club, this event is NOT
sponsored by A QRP Club.

Email me directly or check

http://www.flash.net/~k5hgb/belton_meet.html

if you need additional information.

73

gr

--

GLEN REID
K5FX/M BGF

Austin...in the beautiful hill country of TEXAS...

Austin QRP Club # Pi

Email: k5fx@flash.net

Date: Tue, 29 Sep 1998 17:17:35 -0500
From: k5ubs@juno.com (Oscar A Hoyt)
To: qrp-l@Lehigh.EDU
Subject: [21163] hand crank radio
Message-ID: <19980929.171736.3294.0.k5ubs@juno.com>

Just got National Geographic 1998 gift catalog.
On page 14 there is a hand crank generator powered radio (also solar
cell, ad/dc, 12dc). AM/FM, TV audio, aircraft, police bands and
world-band shortwave. 7x5x2 in. 69.95 for members, 77.95 others.

Oscar K5UBS Ham since 55

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 29 Sep 1998 22:17:58 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: Joe Everhart <n2cx@voicenet.com>
Cc: QRP-L <QRP-L@Lehigh.EDU>
Subject: [21164] Re: rainbow tuner help
Message-ID: <36114E86.21C2@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Joe Everhart wrote:

> As far as the tuning range is concerned, it is maximized in the Hauff
> enclosure by doing tow things. First, minimize the length of coax cable
> connected to the tuning capacitor. Since RG-174 has a capacitance of
> about 2.6 pf per inch, even a couple of inches can limit the high
> frequency tuning range.

I have not used coax to connect the top of the LC circuit to the antenna
connector, but a short length of center conductor from RG-58c/u. The
thick isolation serves to keep the wire spaced from the surrounding

metal and the PCB. I routed this wire under the PCB along the long edge of the case at the side of the LEDs.

I did use a short piece of thin teflon coax to connect the DPDT switch to the middle tap switch. This should be OK as it is a 50 Ohm connection.

> As you may have discovered also, there are trimmer capacitors on the
> back of the polyvaricon cap that need to be at their minimum setting.

Yes, it was me that suggested this to Doug.

> >Section B - min. C 5 pf, max. C 153 pf

Did anybody happen to check the 'curve' of the variable capacitor? It's probably not linear.

> > If you use section B and set the trimmers to their minimum value, the
> Rainbow Tuner should easily cover 30 and 40 meters without modification.

> > The measured tuning range on my Rainbow in one of Doug's cases is 4.4 to
> >12.9 MHz.

This evening I measured a range of ca. 5 to over 14 MHz on my unit. I used my RF-1 analyser for this and a 5 kOhm blue plastic BOURNS potmeter as the load.

> Were you able to get the tuner to operate correctly before installation
> in the Hauff enclosure?

Yes. But I measured with the RF-1 and changed the number of turns to 39, because the original mica trimmer wouldn't allow me to tune 40 m otherwise. And somehow the taps came out at 3, 5, 7 and 9. I do not recall why. Operator mistake or calculations and/or measurements. Yesterday I decided to take 9 turns off, because of the larger value capacitor in Doug's kit (section B used). This worked out FB. See tuning range above.

> When you say that you cannot get a good match, what is the minimum SWR
> you can get?

With a rig at 7 MHz and the 2000 Ohm resistor, I could not get the yellow LED to extinguish, so SWR remained above 1.5.

I have my HF rigs and antenna at work, and my test equipment at home, so I then tested the unit with the RF-1 later in the evening.

Among my results are:

It makes a difference for the transformation ratio how you space the turns on the toroid.

Adjusting the load resistor with a particular tap position, I can get SWR as low as 1.3 or 1.2. Lowest tap matched higher than 5k, and I didn't look for the exact value any further.

Minimum Rload at minimum SWR are found, of course, at the highest tap position and were measured at ca. 825 Ohm at SWR 1,3 in my case. This is above what I calculated $(30/9)^2 \times 50 \text{ Ohm} = 555 \text{ Ohm}$, but as I said, transformation ratio seems to be influenced a bit by the turns spacing. In practical use this is probably not very important.

> Does the tuning capacitor seem to be at the end of its range?

No, not at all. See tuning range above.

> And I will fire up my Rainbow-in-a box tonight and check which tap give the
> best results!

> Joe E., N2CX

Thanks for the comments, Joe.

As there are only 4 tap positions it is clear to me that the best match for a particular load cannot not always be as low as one may wish. In such a case, I suppose the antenna length can be adjusted to allow a better match.

My measurement tonight (before redressing the turns) resulted in a best match to the 2000 Ohm resistor of SWR=1,6 at tap position 3 (7 T from GND) at 7,06 MHz. (At 14,1 MHz the lowest SWR was 1,1!)

Spreading the turns out more evenly made the measured transformation ratios approach calculated ratios better.

It may be a good idea to solder the toroid taps and extremities to pins put in the appropriate PCB holes. There is a lot of space on the PCB now that the trimmer is gone. This way one can experiment with the toroid without having to dismantle the PCB from it's case each time. I didn't do either :-(yet.

I must confess that I had connected the tap switches in a different way than I thought and that accounted for some of my problems with the initial results. Opening the case and checking revealed the truth about my handiwork, hi.

Summing up my current results, I think I'll leave the total turns at 30, because the new tuning cap allows covering three bands, but put the taps higher than where I currently have them to get the matching range to cover 500 to 5000 Ohm. Even though I have no practical experience with end-fed half wave wires, I expect 5000 Ohm to be high enough.

I just wonder why the transformation ratios are so much off (ca. +50%) from the theoretical values.

73, oh2zaz

--

Arjen Raateland
SAS Support
Finnish Environment Institute, Helsinki

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Tue, 29 Sep 1998 22:29:15 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: we6w@qsl.net
Cc: QRP-L <QRP-L@Lehigh.EDU>
Subject: [21165] Re: Nice 2 Meter J-Pole Antenna Drawing (Link)
Message-ID: <3611512B.4A89@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed Loranger wrote:

>
> Gang, I've seen a lot of antenna drawings on the J-pole, but
> this one appears to be the most informative and complete.
>
> It is for 2Meter and 440 band:
>
> <http://www.qsl.net/kk7ih/J-pole.html>
>
> You should see this guys' shack :)
> <http://www.qsl.net/kk7ih/>

A nice J-pole made out of ladder line (WireMan CQ553) was published in CQ magazine in July 1994 by W1ICP. I have built two and they work FB. I have not read the article though, but copied the plan from another ham who had his on show at a ham rally in Holland in 1994.

I would like to see the original article, though. Lots of J-poles on the Inet, but none made of CQ553 ladder line.

73, oh2zaz

--

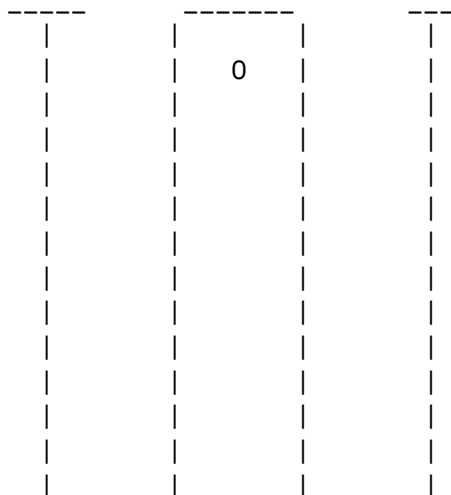
Arjen Raateland
SAS Support
Finnish Environment Institute, Helsinki

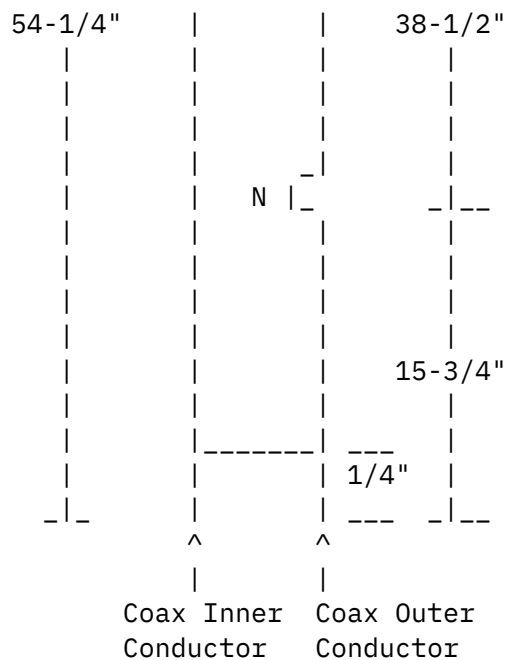
AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Tue, 29 Sep 1998 22:37:47 +0000
From: Ed Loranger <we6w@qsl.net>
To: Arjen.Raateland@vyh.fi
Cc: qrp-1@Lehigh.EDU
Subject: [21166] Re: Nice 2 Meter J-Pole Antenna Drawing (Link)
Message-ID: <3611613B.4AF4@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Arjen et. al: Here's one that uses 300 Ohm twinlead and probably built similar to the ladder-line J-pole: (Used Fixed Font)
-Ed

=== 2m/70cm Dual Band J-Pole made from 300 ohm twin lead ===





SWR is 2:1 across the 2m band and from 435mhz to 450mhz on the 70cm band.

1. Use good quality TV twin lead.
2. Strip insulation at the solder point for coax feedline.
3. Cut out and remove the 1/2" long notch N.
4. Feed with a length of 50 ohm coax and terminate with the appropriate connector. Tape coax at feedpoint to the twin lead, or use heat shrink, and make sure the joints are insulated from each other.
5. Antenna may be sleeved inside 1/2" PVC for outside mounting or hung on a loop of string run thru hole 0.

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
 QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

 End of QRP-L Digest 1229
